

19971108.qrp v00_n903.qrs.971108

Date: Sat, 8 Nov 1997 19:03:14 EST
From: qrp-1@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: QRP-L digest 903

QRP-L Digest 903

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- 2) [30445] Re: 2N3055 Comments (LONG)
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- 3) [30446] AADE cap / inductor meter
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by "J. Skalski" <jskalski@acsu.buffalo.edu>
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- 11) [30447] WTB: QRP Rig
by Mike Martin <mmartin@internetni.com>
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by talljazz@teleport.com (Dan Presley)
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by doug hauff <slmachco@fix.net>
- 17) [30450] Good Ol' Fox and Little Emmy
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 18) [30451] Pixie II - Surface Mount - YES!
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 19) [30452] Stuff

by kb0rol@juno.com (Bradley L Mugleston)
20) [30453] Re: QRP new guy W/OHR-100A
by k5zty@juno.com
21) [30454] Re: WTB:OHR400
by k5zty@juno.com
22) [30453] Auroral Activity Last Evening
by "Dennis B. Dolle" <dolledb@cet.com>
23) [30454] NorCal Paddles: Problem in 2nd batch?
by Paul Helbert <phelbert@rica.net>
24) [30455] Re: 1998 QRP to the Field Theme Announcement
by "Greg K. Pollard" <cwgreg@worldnet.att.net>
25) [30456] Re: NorCal Paddles: Problem in 2nd batch?
by Monte Stark <ku7y@sage.dri.edu>
26) [30456] Fw: SWR Meters
by "David Limbrick" <DAVLIM@extra.co.nz>
27) [30457] What a nice Kit. TNX guys. (Paddle)
by pmk@juno.com (Patrick M Kvitkauskas)
28) [30458] Grey Line and Bug keys
by "David Limbrick" <DAVLIM@extra.co.nz>
29) [30459] CA Fox Bagged!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
30) [30460] Re: Fox Nabbers Team Score
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
31) [30461] FOX: N/T Fox Tonight
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
32) [30462] GM-15... ANYONE TRIED IT?
by "Pablo Robles" <wp4jxd@hotmail.com>
33) [30463] Re: Pixie2 Revision Inquiry.
by "Frank A. West" <ke6vhm@earthlink.net>
34) [30464] Hands RX1 receiver
by K4AHK@ix.netcom.com
35) [30465] Re: WTB:OHR400
by ckrelic@usaor.net
36) [30466] Re: Grey Line and Bug keys
by "J. Skalski" <jskalski@acsu.buffalo.edu>
37) [30467] Re: Stuff
by Larry Trullinger <kb0emb@swbell.net>
38) [30468] Homebrew a Pixie2 !
by fmathews@norfolk.infi.net (Frank Matthews)
39) [30469] Auroras/kits/DX
by wa5whn@juno.com
40) [30470] 15 Meter Band
by "Ron Polityka" <wb3aal@talon.net>
41) [30471] Pixie II - Surface Mount - YES! (fwd)
by George Gingell <k3tks@u1.abs.net>
42) [30472] Homebrew a Pixie2 !
by Terres Family <terresfm@ncia.net>
43) [30473] DOUBLE FOX SUNDAY

by ARDUJENSKI@aol.com

44) [30474] Re: 1998 QRP to the Field Theme Announcement
by n4js@amsat.org

45) [30475] Homebrew a Pixie2 !
by Terres Family <terresfm@ncia.net>

46) [30476] Contest/Pls Read and join us: 22 Nov 97 LI/NJ-QRP Doghouse Operation Sprint
by "Kevin F. Glynn" <kfglynn@prodigy.net>

47) [30477] FOX: N/T Nov 8 Results
by "W2MBY & W2MY" <n2mnn@spacegate.com>

48) [30478] Re: CA Fox Bagged!
by Bob Hightower <ki7mn@dancris.com>

49) [30479] Re: FOX: N/T Nov 8 Results
by Monte Stark <ku7y@sage.dri.edu>

50) [30480] 2222 Design Project - Parts Sources
by Stanley Wilson <microres@crl.com>

51) [30481] Wanted: QRP Elmer
by John Bohnert <johnb@elmhurst.edu>

52) [30482] Keyer vs Paddle Kit
by adams@chuck.dallas.sgi.com (Chuck Adams)

53) [30483] 2222 Project Design Trade Offs
by Stan Wilson <microres@crl.com>

54) [30484] Ethernet Question - Please respond off-line
by kb9iua@juno.com (Kevin L Anderson)

55) [30485]
by "Kevin F. Glynn" <kfglynn@prodigy.net>

56) [30486] Norcal Paddle-plexiglass paddle
by "Jeff M. Gold" <JMG@tntech.edu>

57) [30487] CQ CQ AK, DE, HI, MT and NV for WAS-QRP!
by "Kevin F. Glynn" <kfglynn@prodigy.net>

58) [30488] CirCad
by Steven Weber <kd1jv@moose.ncia.net>

59) [30488] QRP Kits
by N4JS <jsielke@pobox.com>

60) [30489] Re: 2222 Design Project - Parts Sources
by Steven Weber <kd1jv@moose.ncia.net>

61) [30490] Re: 2222 Project Design Trade Offs
by Steven Weber <kd1jv@moose.ncia.net>

62) [30491] WBL Paddle Update
by aa8yo@tir.com (Bob Fox)

Date: Fri, 7 Nov 1997 19:17:51 -0500 (EST)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [30445] NorCal kit arrives &c
Message-ID: <971107191531_359368116@mrin47>

Gang,

If I'd knowed thay was this small, I'da bought two of 'em! And somebody's right: this is like one of them black-power kits. Now, where's my polishin' otters?

With this kit I now have three irons what's sposed to be near fires but I ain't got the time to scratch the match across a rock.

Oh well . . . good hibernation stuff. If youall din't git one, yerotter fore they's gone, lemme tell you that!

73
Nils
WB8IJN &c

Date: Fri, 7 Nov 1997 17:09:18 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [30445] Re: 2N3055 Comments (LONG)
Message-ID: <19971107.174627.3446.0.gsurrency@juno.com>

I wrote:

>>Assuming 10 amps flowing in each transistor at the rated total load
>of 20 amps, there is about 0.9 volts of emitter ballast resistance.
I've
>never had to replace the 2N3771's in 25 years.

Two brain misfires in my earlier post:

Of course I meant to say emitter *balance* *voltage* , not emitter ballast resistance.
Quick editing will get you every time. ;-)

Please excuse the bandwidth, etc. etc.

72,

AB7MY
Gary Surrency
Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Fri, 7 Nov 1997 17:46:16 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: qrp-1@Lehigh.EDU
Subject: [30446] AADE cap / inductor meter
Message-ID: <19971107.174627.3446.4.gsurrency@juno.com>

Gang,

I just finished building the AADE cap / ind meter this PM. I took about 2 hours to build it, and I was in no hurry. It works great! If you hombrewers don't have one of these things, you are really missing out. I already have used it to check some suspect caps and found they were waaay out of value. It was especially helpful in identifying a small trimmer cap I had that I did not know the value of. Digital, accurate, simple. I like it.

It's great for checking that grab bag of parts you have kicking around in your junk box!

The unit works very well, and my thanks go out to Neil Heckt who designed it.

I gotta go check those toroids I've been winding now to see how they spec' out!

It's available from Milestone Technologies, Inc. 303 752-3382. The price is \$89.95 plus shipping. Look at: <http://www.mtechnologies.com/mthome>

Standard disclaimer. Just another satisfied customer! Thanks Marshall!

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Fri, 7 Nov 1997 17:35:34 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: mgipe@reliablemeters.com
Cc: qrp-1@Lehigh.EDU
Subject: [30447] Re: Fox: K1MG commentary
Message-ID: <19971107.174627.3446.3.gsurrency@juno.com>

Great job, Mike!

I liked the faster CW speed. It was a good thing for last night's warbling auroral QSB.

Looking forward to working more Foxii at 25 wpm + !!!

Of course after a few exchanges, we know your info and only need to listen for requests for fills, etc. I think the faster exchange rate was fun and let more people have a chance to work you and increased their speeds as well. Just as ol' Chuck intended! ;-)

Bravo!

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Fri, 07 Nov 1997 19:55:04 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: sbillingsley@mindspring.com
Cc: qrp-l@Lehigh.EDU
Subject: [30448] Re: FW: Pulling XTAL frequency UP?
Message-ID: <3.0.1.16.19971107195504.3b172e12@mail-cluster.pcy.mci.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

At 04:45 PM 11/7/97 -0500, you wrote:

>

>

>Thanks for everyone's input regarding finding needed XTALs. I know now I
>can buy one BUT.....

>

>Is there any way with caps and inductors to PULL the frequency of a XTAL
>UP. I have a 9.000 MHz xtal crystal that I would like to pull up to 9.0015
>MHz. I know an inductor and cap in series will pull the frequency DOWN. Is
>there another variation that can accomplish UP. BTW I'm not that cheap
>(i.e. not just buying one) but I am trying to extend my homebrewing
>technical expertise.

>

Sam...just using a capacitor in series with the crystal
will move it up in frequency. Try a 15-90 pF trimmer to see
where you can move it, and then replace the trimmer with a

fixed capacitor. There is no hard and fast rule on what value to use, since it depends on the motional L and C of the crystal, and each one has a slightly different pair.

GL and let us know what value you end up using.

72....Jim

```
Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
jokortge@mci2000.com | __o H.F. bicycle mobile
Fenton, MI | _`\<, Mizuho 17/40 SSB
... .. (*)/(*) ...
NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
Most recent - Iowa Mauritius

NorCal 38S/17 Log - 16 States; 23 Countries - Running 1.5 watts
Most recent - Delaware Bulgaria
```

Date: Fri, 07 Nov 1997 20:21:46 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-l@Lehigh.EDU
Subject: [30445] NT Fox
Message-ID: <19971107.150847.5239.1.KQ0I@juno.com>

Well, if that don't beat all! An NT Fox tail to hang alongside the regular fox tail. Boy, these conditions are sure getting better... and I'm loving it!

72/73 Mark

Date: Fri, 7 Nov 1997 20:40:28 -0500 (EST)
From: JCoote@aol.com
To: mmartin@internetni.com, qrp-l@Lehigh.EDU
Subject: [30445] Re: Attic Antennas, Continued
Message-ID: <971107204028_1902977302@mrin41.mail.aol.com>

In a message dated 97-11-07 00:23:45 EST, mmartin@internetni.com writes:

<< I was wondering if anyone has successfully used 300 Ohm twinlead for feeding indoor dipoles. I don't think I have clearance for running regular ladderline from the attic.

Also, I'm in the market for a good used QRP rig. I have a Yaesu FT-470 dual-band HT that I would be willing to swap, depending on what's available.

Thanks,

Mike, KA9LYY

>>

Mike & Group;

"Attic" or indoor antennas work with balanced feed. You may have to vary the antenna and feeder length to get a combination which works on all bands. By "works", I mean provides a low enough impedance for typical "T" tuners with baluns. The G5RV is one such length combination.

You would want balanced feed and tuner if the antenna was multiband. Don't feed a multiband or wideband antenna through coax (even if you have a tuner) unless SWR is already 2:1 or below on the bands you will be using.

You may have to zig-zag the antenna elements to get the length into a smaller space.

73, Jay

W6CJ

Date: Fri, 7 Nov 1997 21:06:33 -0500 (EST)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Cc: SMIRK@qth.net, Boatanchors@theporch.com
Subject: [30445] Over(tone)? the Rainbow? Update Warrior?
Message-ID: <971107210632_1624671007@mrin85.mail.aol.com>

I avoided postings on the Rainbow Tuner over on QRP-L thinking, 1.) it has something to do with Jesse Jackson, or, 2.) it is just another of the proliferation of deliberately downsized toys that move us from homebrewing to microscropy. But I was happy to learn more about this clever device from the New Jersey QRP club when I was chasing down the correction to Doug DeMaw's noise blanker in the November CQ. (Where Math also has an update for the Warrior Amp that adds 160M)

"The tuner is designed specifically to match a high impedance, half wave, end-fed single wire antenna for 40 or 30 Meters (66 or 46 feet long, respectively). A second wire one quarterwave long is also placed below...to

act as a counterpoise." (Ingram, p. 70.) So, I asked my fevered, e-skipped 6M mind, since we who have boldly taken a Globe Scout where none has gone before (30M) know that a 30M full wave loop is a fine 6M antenna, is it possible this might be the key to putting the army of Heathkit Sixers and WRL TomCats back on 50 mc in time for the f-stop party?

I just don't know. I can wrap a quarter wave counterpoise for 6M around my waist, barely, but I don't know if a half wave 30M wire is as friendly to the Magic Band as a FWL. The thing is just a \$28 kit, but I wanted some thoughtful advice 'before I get one because it only handles 5W and the Globe Scout's 807s would send it to solid state Valhala, LEDs and all.

73 de ab5l, michael in dallas, SMIRK #3002, who has a real WRL TC-6A "TomCat Six" 1W AM transceiver from 1962 on the bench in hope, perhaps fanciful, of bridging the gap between the QRP homebrewers and the Boatanchorites.
MNHopkins@AOL.com

Date: Fri, 7 Nov 1997 21:20:09 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [30446] PART?
Message-ID: <Pine.GS0.3.96.971107210543.24330B-1000000@callisto.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am unable to locate the following parts which I unfortunately fried a couple days ago. My test leads slipped and as one dangled it sure enough hit the other lead. (that sinking feeling hits again)

I need two MTP 2955E
and two MTP 3055E these are both T0-220 case units.

Any leads on where to buy these would be appreciated.

I just figured out how to give my metal detector a digital readout that would differentiate metals, and denomination of coins. Right now it can't differentiate whether it is on or off <G>

Also any leads on catalogs that would describe the different SMD types. I am trying to copy another circuit that uses an 8 pin dip(kind of) that is a surface mount device marked

5534A
sat
cr46

Another two are three legged SMD
marked NB1
and 2HP

any ideas what these critters are ?

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 7 Nov 1997 21:26:57 -0500
From: mpupeza@csolve.net (Michael Pupeza)
To: qrp-l@Lehigh.EDU
Subject: [30446] SSB QRP Power Hump - at 5W PEP Output?
Message-ID: <v01510100b0897734a2bd@[207.61.168.177]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi QRPers, specifically SSB persons;

Over the years, I have experienced a strange type of phenomena, that I get significantly more responses to my SSB QRP signal as I get to around the 5 Watt PEP Output, than I get running a few Watts less!

I have had an Argo 505 since 1974, running 2 W PEP Out for years, and had to get (?) the 405 Linear for it to get much response (50W PEP Out!). So I ran it like that for years. Around 1980, I went to QRO at 100 W, with an Icom 701 and pretty well gave up on the Argo/405.

Around 1988, or so, I got more interested in QRP and started running Field Day with the Argo barefoot. I STILL found poor responses, and, after 2 years, changed the final transistors to MRF476's, uping the power output to almost 3.5 W PEP Out!

My performance improved FAR more than the 3 dB would seem possible.

I then bought and used an FT-7 Yaesu at 5 W PEP Out (10 watts in) and found an improvement again. This was with the same type of G5RV antenna system.

Next, in 1994, I picked up a Yaesu FT-301, which I could run without the PA booster at a FULL 5 W PEP Out, off batteries, and, again, outperformed the previous rigs. This one had a speech processor, that seemed to work!

Last Field Day, I ran a NorCal Cacade, at about 5 W PEP out on 80, and only 2W PEP out on 20. As with the last couple of years with the 301, I used a full wave delta loop tuned to 80 for the antenna, and the results on 80 were fine, BUT 20 was poor, even though I could hear them fine. Previously, with the 301, I was fine!

All my experience tells me that around 4 - 5 Watts PEP Output on SSB should be the minimum to run to have satisfactory contacts, assuming a conventional antenna system!

Has anyone else, over the years, found a similar pattern?

I realize that this doesn't match 'Mathematical Models', and there are a LOT of Variables, BUT, it does seem that a couple of Watts extra, in SSB can seem to make the difference between being 'in' or being 'out'!

Ideas??

72 - - - Mike VE3EQP.....>

Michael Pupeza VE3EQP
283 Peek-a-Boo Trail RR# 2
Penetanguishene, Ont.
Canada L9M 1R2

mpupeza@spamcsolve.net (remove spam for reply)
(705) 549-3220

Date: Fri, 07 Nov 1997 20:27:53 -0600
From: Mike Martin <mmartin@internetni.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30447] WTB: QRP Rig
Message-ID: <3463CE29.58B7DFE7@internetni.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone got a used Ten-Tec Scout or Argo for sale? I really don't need umpteen band modules, just one will do.

Tnx,
Mike
KA9LYY

Date: Fri, 7 Nov 1997 21:36:26 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: "Craig J. Sterling" <CjsterL@ix.Netcom.com>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [30448] MILLIWATT CD-ROM
Message-ID: <Pine.BSI.3.96.971107212650.12529B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Craig,

I believe that Tom Arvo, WA8DXD is still working on the second edition of the CD-ROM which will have tthe same files as the origional, but also include a revised, re-typed version that will allow full text searches. The origional is a page by page operation due to the nature of the document. The current edition is \$ 24.95 postpaid from Tom Arvo.

The MILLIWATT CD, P.O. Box 2550, Goldenrod, FL 32733-2550.

If you have any further questions, contact Tom at <arvo@arvo.com>.

I have copies of the "JOY of QRP" for sale locally and will soon also have copies of "The History of QRP in the U.S." I will have to negotiate with Tom on local sales of the CD-ROM when it becomes available.

I also have a limited supply of The QRP ARCI Quarterly Journal for sale. both current issues and back issues. I will soon have "The Official QRP ARCI Mouse/Eq. Pads" Available also.

G. Danny Gingell, K3TKS
3052 Fairland Road
Silver Spring, MD 20904-7117

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net

QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117

Maryland Milliwatt Club QRP Reference Library, (301)572-6789

Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG

Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Sir George, KL-#1, The {QRO} Dragon Slayer :^)

ARCI #4368 G-1290 M-192 NE-28 NW-14 NorCaL-926 CQC-349 FB-51 MDMW #1

QRP-L #216 CQrp-42 AK-Qrp #195 AR-158 ARS-176 KL-Qrp LI-Qrp NJ-Qrp #78

QCWA #23739 ARRL CP-25 WAS-QRPp WMA-500 QNI-1000 Milliwatt Master

KnightLites Milliwatt Award - K.M.W.A. - Milliwatt Beacon Hunters Awards

"A MD ScQRPion" "QRP QUARTERLY Back Issues for Sale at K3TKS@abs.net"

Date: Fri, 07 Nov 1997 19:32:10 -0700

From: flydnq7x@primenet.com (Floyd Smithberg)

To: qrp-l@Lehigh.EDU

Subject: [30448] N/T Fox 7140.48 now

Message-ID: <199711080232.TAA28559@smtp04.primenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

John's on now 0230 559 in ScQRPion country...

73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343

ARRL ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=103

Date: Fri, 07 Nov 1997 20:44:52 -0800

From: Mike Stapp <stapp001@gold.tc.umn.edu>

To: qrp-l@Lehigh.EDU

Subject: [30449] NT Fox on 11/8

Message-ID: <3463EE44.4B7@gold.tc.umn.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I'd like to congratulate John, W2MBY, tonight's NT Fox on both his great signal and excellent operating skills. He really makes the fox hunt fun. Nice work John!

Mike - KE0WW
Minneapolis

Date: Fri, 7 Nov 1997 18:45:07 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-1@Lehigh.EDU
Subject: [30450] fox on now!
Message-ID: <v01530505b08981d7ef15@[206.163.123.51]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK guys-I can hear W2MBY way out here in Oregon calling CQ with no
takers-0230UTC.
Dan N7CQR

Date: Fri, 7 Nov 1997 19:26:23 -0800 (PST)
From: doug hauff <slmachco@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [30450] 38S Enclosures: Making Chips!/FANUC'ed again
Message-ID: <199711080326.TAA14888@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Quick update: Mother Board back from tour(Chicago), 24 hours on factory
test fixture, zero faults...back to drawing board, glad to have checked out
board back, but baffled...gotta make 10-foot leads for DVM, check cabling...
GOOD NEWS: Making chips on enclosures, will be ready for VMC soon as she's
up, WILL be running by Monday...ship week after next! Mailings with parts
list etc. out today! Stay tuned! 72 Doug KE6RIE

Date: Fri, 7 Nov 1997 21:05:12 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: <mgipe@reliablemeters.com>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>
Subject: [30450] Good Ol' Fox and Little Emmy
Message-ID: <199711080349.WAA18068@mailhost.infi.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Mike,

I have to tell you, Little Emmy listened to Lil' Kenny flirt with all those other stations for almost an hour and a half last night. As time passed he got louder and louder but paid no attention to Emmy. Finally, she started moving her little tail around a little bit like she was going to leave the area. When she got a little above Kenwood's signal, suddenly he noticed her and talked to her as if she was the only one in the world. She was thrilled to death!

For my part, I thought I was going to have a sadder but wiser girl who would quit mooning after those older more sophisticated fellows. -- But, when Lil' Kenny spoke to her, you should have seen her face light up. She completely forgot about those other guys and the 1-1/2 hour wait.

What a line he's got! Does he know how to work 'em or what?!!

I don't know. I'm going to have to watch this girl! I'm beginning to think she just likes to flirt.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

> From: Michael A. Gipe <mgipe@reliablemeters.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: Good Ol' Fox
> Date: Friday, November 07, 1997 5:21 PM
>
> Dear Ol'Kenwood
>
> Glad we could play together again last night. Too bad we only had time
> for a sniff and a woof. My pet was really misbehaving, kept pulling on
> the
> leash. He wanted to check out every squeal and look under every static
> crash. You know how pets are. Just a woof and a bark and off we would
> go
> again. Of course, when we finished, he was exhausted and I was still
> raring to go. Serves him right! :-) Maybe we'll be able to get together
> again soon for a good long howling session. It's been a while. By the
> way, did you hear Emmy last night? I was looking for her but couldn't
> smell a thing. Do you think she's mad at me, Uncle Kenwood?
>

> Sincerely,
>
> Lil Kenny
>

Date: Fri, 7 Nov 1997 21:58:36 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>, "klqrp" <klqrp@acpub.duke.edu>
Subject: [30451] Pixie II - Surface Mount - YES!
Message-ID: <199711080349.WAA10076@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

A few weeks ago, I asked the group if you would be interested in a simple surface mount starter kit - like a Pixie II. The response was overwhelming!

So, the Knightlites are in the process of preparing our first kit.

Basically, it will be a surface mount Pixie II with some enhancements. I'm building an alpha version, and if these old tired eyes can build one, you can too! We will include some information on handling Surface Mount components with the kit. --And, I'm sure, this list will provide more hints and kinks from the experts.

This announcement is just so you know for sure that we are indeed proceeding. Our kit will have a different and distinctive name. Because of some design improvements and the fact that it's SM, we decided not to call it a Pixie.

Gary, N3GO, and Todd, KB0HQU, are doing the circuit and board design work. I will prepare the kits and ship them. Several other Knightlites will be doing initial build and test work and helping in other ways.

At this time, we are shooting for a price in the \$10 range. It will be a board and parts kit with instructions, of course. (no case) It's small enough to stick on the back of a 9V battery with double sided tape, so you can let your imagination run wild when it comes to enclosures.

We are busting it to get them done in time for early December (Christmas) shipping. This would give everyone time to build them before the Pixie/40-9er contest between Christmas and New Years. Realistically, don't

count on them before Jan 1.

Our initial quantity will be 100.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Fri, 07 Nov 1997 23:34:18 EST
From: kb0rol@juno.com (Bradley L Mugleston)
To: qrp-l@Lehigh.EDU
Subject: [30452] Stuff
Message-ID: <19971107.213050.2295.0.kb0rol@juno.com>

Gang,

I got three great things in the mail today that I wanted to tell you about.

The first thing, if you haven't worked Alan - KB7MBI in the hunt - DO IT. He has a great QSL card that 20 years from now will still remind you of the hunt.

Second I got my Campmor Christmas catalog in the mail today. If you've never seen one its a small 8 X 6 inch news print, line pictures, out door sporting catalog full of great camping stuff. On page 204 (I said it was small not thin) is a Solar "AA" battery charger that holds 4 "AA" nicad batteries - cost is \$16.99. Their web page is <http://www.campmor.com> and phone number is 1-800-campmor (226-7667).

Last but not least, I got my NorCal Paddle Kit. On quick review I saw Paul Harden's NA5N signature in two spots on the exploded drawing. If you don't know what I mean you need to get Pauls "Data Book for Homebrewers and QRPers". The paddle is suppose to be a stocking stuffer from my wife so I may not be able to start on it until next year... The XLY just walked in and asked what was in the box that I got today, I told her and now I don't have it any longer. Its off to where ever it is Santa hides stuff from bad little boys and girls. Well I was close to looking at it.

de KB0ROL, Brad

Date: Fri, 07 Nov 1997 23:43:34 EST
From: k5zty@juno.com
To: csparks@bigfoot.com
Cc: qrp-1@Lehigh.EDU
Subject: [30453] Re: QRP new guy W/OHR-100A
Message-ID: <19971108.044023.5407.0.k5zty@juno.com>

Hello Chuck,

Welcome to the list. Good to have another retread in the group. Good to have another Texan also. We need all the help that we can muster to out foxhunt those CA guys.

Thanks for the compliment on the decorum of the list. Part of the reason for that is that many of us are personal friends. We meet at hamfests, field days, on the air in ragchews and contests, we build projects together and we get to know each other personally. (There will be over a hundred of us at the Dayton Hamvention QRP symposium in May.) When there is mutual respect among friends on the list

(outright awe in some respects) it keeps things pretty friendly.

Hurry up and take that test and we will be looking for you on the air soon.

72,

Bill, K5ZTY

Houston, TX

k5zty@juno.com

Date: Fri, 07 Nov 1997 23:43:34 EST
From: k5zty@juno.com
To: ckrelic@usaor.net
Cc: qrp-1@Lehigh.EDU
Subject: [30454] Re: WTB:OHR400
Message-ID: <19971108.044023.5407.1.k5zty@juno.com>

\$5000.00 and you pay shipping.

Naw, on second thought, it ain't for sale.

72,

Bill, K5ZTY

On Thu, 06 Nov 1997 23:57:09 -0500 ckrelic@usaor.net writes:

> In excellent condition, Name. . .Your . . .Price, I want one.

>

> This is the most likely place on the planet to find one.

> Hey, use the money for more QRP kit/kits and accessories -:)

>

> Thanks,
>
> 72 Curt
> Ka3ivb
> QRP-L #433
>
>
>

Date: Fri, 7 Nov 1997 20:58:39 -0800
From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [30453] Auroral Activity Last Evening
Message-ID: <01bcec02\$fb39f320\$LocalHost@dolledb>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0260_01BCEBBF.ED16B320"

This is a multi-part message in MIME format.

-----=_NextPart_000_0260_01BCEBBF.ED16B320
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Fellow Masochists,
I spent some time last evening stirring the atmosphere above 20,000 =
feet. Was airborne between 0330Z and 0700Z 7 Nov (1930 to 2300 PST 6 =
Nov) over the Pacific Northwest and witnessed strong northern lights. =
It was generally cloudy over the northwest and folks on the ground =
probably did not get an opportunity to view the show. Crewmembers on =
other aircraft in the area made several mentions of the phenomenon on =
ATC frequencies evidencing the brightness of the display. Just thought =
I would confirm the comments about auroral activities that were posted =
on QRP-L.

Dennis, NX5W

-----=_NextPart_000_0260_01BCEBBF.ED16B320
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">
<HTML>

<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV>Fellow Masochists,</DIV>

<DIV>I spent some time last evening =
stirring the=20

atmosphere above 20,000 feet. Was airborne between 0330Z and 0700Z =
7 Nov=20

(1930 to 2300 PST 6 Nov) over the Pacific Northwest and witnessed strong =

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that =20

were posted on QRP-L.</DIV>

<DIV> </DIV>

<DIV>Dennis, =

NX5W</DIV></BODY></HTML>

-----=_NextPart_000_0260_01BCEBBF.ED16B320--

Date: Sat, 08 Nov 1997 00:13:18 -0500

From: Paul Helbert <phelbert@rica.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [30454] NorCal Paddles: Problem in 2nd batch?

Message-ID: <3463F4EE.101BD93C@rica.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi Gangue,

I just did a trial assembly of my batch two paddle kit. Has anyone else noticed that the magnet and block have no interference? My magnet slips easily right through the hole and, if assembled, hangs on one or the other of the tension screws. If I'm the sole owner of a kit with this

problem, I want to get whichever part is wrong sized. If we have a run of this I'd suggest we add a step to the kit instructions: try knurling the magnet. Possibly it could be done by rolling the magnet on a hardwood block under full body weight from the edge of a file. Don't know about the hardness of the alloy used in magnets and haven't yet tried this idea.

Suggestions/comments?

73,

Paul, Wv3j

Date: Sat, 08 Nov 1997 00:25:09 -0500
From: "Greg K. Pollard" <cwgreg@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [30455] Re: 1998 QRP to the Field Theme Announcement
Message-ID: <3.0.1.32.19971108002509.00692cb8@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:16 PM 11/7/97 +0000, you wrote:

> The theme for the 1998 QRP to the Field Contest is "Border Operations".
>The Jalopeno Pepper Gang thought this one up at Fort Tuthill. The idea is
>that we want to encourage everyone to operate from a state border, or even
>where 3 or 4 states come together.

What about borders that have rivers, do you need a boat? If you were in the middle of the river and tied off to both shores, your station would touch both shores and you would have a big ground plane to work with. Who would you call to stop the barge traffic on the Ohio River in the name of amateur radio?

72

Greg W8XP FISTS #1977

Date: Fri, 7 Nov 1997 21:29:00 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Paul Helbert <phelbert@rica.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30456] Re: NorCal Paddles: Problem in 2nd batch?
Message-ID: <Pine.SUN.3.90.971107212614.23963D-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Paul,

The mag in my first run paddle kit was also loose. I just put some superglue on it and it's doing fine.

I plan to rebuild mine soon with some changes. At that time I might add a set screw to hold the mag where I want it.

(You might also be able to use a center punch and hit the bottom of the "hole" to reduce it a little)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 8 Nov 1997 18:43:27 +1300
From: "David Limbrick" <DAVLIM@extra.co.nz>
To: <qrp-l@Lehigh.EDU>
Subject: [30456] Fw: SWR Meters
Message-ID: <199711080544.SAA28087@MajorD.xtra.co.nz>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

>
> This is not QRP but affects my QRP operating so please excuse my posting.

> If anyone knows a more appropriate board for my enquiry please advise me
> the address and I will use it for this sort of problem in future.
Thanks.
> I have a IC701 which has a built in SWR meter and I also have a home
built

> transmatch based on the Lewis Mcoy design of 15 years ago and I have a
> badly tuned vertical aerial.
> The transmatch includes a home built monimatch which uses an etch board
for
> the pickup.
> For some reason the two meters give minimum SWR readings at different
> settings of the transmatch.
> The meter in the Icom gives minimum SWR when my home made meter reads 3:1
> SWR. This is the setting I usually use as I am doubtful about my own
meter
> however I used this set up for years when I had a FT101 and it seemed to
be
> perfect.
> I have used the same 50 ohm coax from the ant to the atu and to the
> transceiver. I use a different home brew transmatch and home made swr
> meter for my qrp transceiver and I'm not happy about the output impedance
> of that rig anyway, but thats another problem. I burned that meter out
> trying it out on the Icom because I forgot to reduce the power!
> Well if anyone can offer any suggestions I would be very grateful.
> Cheers and 73 to all
> Dave

Date: Sat, 8 Nov 1997 17:50:41 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-1@Lehigh.EDU
Subject: [30457] What a nice Kit. TNX guys. (Paddle)
Message-ID: <19971108.175042.9318.1.pmk@juno.com>

Received the key today and looks great. Put it together this eve and
after debugging it and turning the paddles on upside down
works FB. Put a piece of paper in the magnet hole for the time being
(mine was loose) but the set screw sounds like the way
to go. I can't decide how I want to finish it hummm neon yellow would
look great as I did on my RC sailboat. It is a loud
color like on Jeff Gordons car but the blueing sounds even better. Good
thing I have access to a jewelers wheel.

Just wanted to thank those who put it and got it all together.

72 de Patrick KD4OBQ

AR

Date: Sat, 8 Nov 1997 19:30:31 +1300
From: "David Limbrick" <DAVLIM@extra.co.nz>
To: <qrp-l@Lehigh.EDU>
Subject: [30458] Grey Line and Bug keys
Message-ID: <199711080630.TAA01126@MajorD.xtra.co.nz>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

A silly question I know but can I use the grey line to contact the USA from New Zealand? I imagine I should try about 1 or 2 hours before daybreak here in NZ, especially mid summer when the Sun is at its furthest South. Has anyone had experience in this?

Secondly I have a Japanese TTC semi automatic (Bug) key. When I practise using it with an audio oscillator it seems to have a shush shush sound to the characters and I think the dot contacts are rubbing together instead of cleanly making and breaking. I have tried to look at the contacts with a magnifying glass to see whats happening but couldnt see anything. I have had the key for 30 years and never used it as I expect it would cause terrible key click etc.

I took it away to sea with me once to try it but found that as the ship rolled the key would burst into life and send dots regardless of what I wanted it to do. The ship was a very bad roller (arent they all though) but I have often wondered what other operators do. I now have a curtis chip home brew key but am having trouble getting it to key transistor rigs - I need a new circuit preferably not a relay if I can avoid it. Any thoughts on this also?

Hope these notes are closer to qrp than my other postings

73

Dave

Date: Sat, 8 Nov 1997 02:08:46 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n4js@amsat.org" <n4js@amsat.org>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30459] CA Fox Bagged!
Message-ID: <199711080212_MC2-276A-212E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

John:

Congrats on another successful hunt. And once again I am grateful for pretty good propagation. Seems to me this is after all the Great Divide of successful FOX hunting = if you can't hear 'em, you won't work 'em. And Lady Propagation can be so cruel at times...

The season is long, and the race is long, and many of the huunds are strong, and each week there is the FOX and his haunting song...and... See you in the hunts. Best wishes for a great season. Hope you will look for me during my times in the barrel 25 Nov 97 and late February 1998.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/085/97 12 of 13 + 8 of 12 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sat, 8 Nov 1997 02:08:56 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Joe Gervais <vole@primenet.com>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30460] Re: Fox Nabbers Team Score
Message-ID: <199711080212_MC2-276A-2130@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Joe:

Well unfortunately *I* have a business trip to Europe and eastern Europe which will take me out of FOX hunting from 12-21 Nov 97. Drat! Hate to miss even one hunt, of course, and especially hate not pulling me weight with the FOX Nabbers. Looks like I will miss 3 straight regular FOXes.

But the season is long, and Lady Propagation sometimes smiles and sometimes sneers...!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19

nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/08/97 12 of 13 + 8 of 12 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sat, 8 Nov 1997 02:08:36 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n2mnn@spacegate.com" <n2mnn@spacegate.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30461] FOX: N/T Fox Tonight
Message-ID: <199711080212_MC2-276A-212C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

John:

Well, well, well--absolutely no sign of you at my QTH tonight. No sign of hunters, either. AARRRRGGHHHH! But hopefully next time. Looks like some guys found you anyway :-). Thanks for serving as the FOX.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/08/97 12 of 13 + 8 of 12 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Fri, 07 Nov 1997 23:33:20 PST
From: "Pablo Robles" <wp4jxd@hotmail.com>
To: qrp-l@Lehigh.EDU

Subject: [30462] GM-15... ANYONE TRIED IT?
Message-ID: <19971108073321.13227.qmail@hotmail.com>
Content-Type: text/plain

Guys:

After doing some search over the net to find a decent xcrvr kit for the 15m I came across the GM-15. On the SML Home Page it doesn't say enough about the radio. Questions about receiver quality are yet unanswered. If anyone has given any of the GM-xx try please let me know your impressions. I need a good 15m and a good 10m xvr if I'm going to do a decent work on the upcoming CQWW. Right now I'm stuck in 20 and 40. Thanks!

72
Pablo

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Fri, 7 Nov 1997 23:46:56 -0800
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <fmathews@norfolk.infi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30463] Re: Pixie2 Revision Inquiry.
Message-ID: <199711080825.AAA17391@italy.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Sure I'll take a couple. Send me a note when u r redy.

TTFN 73 Frank KE6VHM
Grid Square DM13
CW Forever

> want at least two just in case they messed up. I could also probably offer
> the pre-cut pc board at a nominal cost as well.
>
> Frank Matthews
> Technology Education Department
> Oscar F. Smith High School

> 1994 Tiger Drive
> Chesapeake, VA 23320
> (757) 548-0696 Ext. 51
> Email/fmathews@norfolk.infi.net
>

Date: Sat, 08 Nov 1997 06:37:41 -0500
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Subject: [30464] Hands RX1 receiver
Message-ID: <34644F02.6D11@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need a good 40m receiver board - no transmitter. Has anyone had any experience with the Hands RX1 receiver kit?

Bill - K4AHK

Date: Sat, 08 Nov 1997 07:37:36 -0500
From: ckrelic@usaor.net
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30465] Re: WTB:OHR400
Message-ID: <34645D0F.7408294B@usaor.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well thanks to some other nice people I now have one on the way,
and it is NOT \$5000__Thank You QRP-L for being here!!

Curt/Ka3ivb

k5zty@juno.com wrote:

> \$5000.00 and you pay shipping.
> Naw, on second thought, it ain't for sale.
> 72,

> Bill, K5ZTY
>
> On Thu, 06 Nov 1997 23:57:09 -0500 ckrelic@usaor.net writes:
> > In excellent condition, Name. . .Your . . .Price, I want one.
> >
> > This is the most likely place on the planet to find one.
> > Hey, use the money for more QRP kit/kits and accessories -:)
> >
> > Thanks,
> >
> > 72 Curt
> > Ka3ivb
> > QRP-L #433
> >
> >
> >

Date: Sat, 8 Nov 1997 07:23:26 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: David Limbrick <DAVLIM@extra.co.nz>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30466] Re: Grey Line and Bug keys
Message-ID: <Pine.GS0.3.96.971108072020.15345A-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

David ,
I have used Gray line to contact Australia on 40 M SSB.
the openings were generally less than a half hour. I was neat to hear the
station coming in at S-7 to S-9. The signal will be bearily audible them
peak and then pass again into the noise. A good idea to have a
schedule.....
Like posting it here <g>

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sat, 08 Nov 97 07:29:01 -0500
From: Larry Trullinger <kb0emb@swbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30467] Re: Stuff
Message-ID: <199711081329.HAA28744@mail-gw1.rcsntx.swbell.net>

-- [From: Larry Trullinger * EMC.Ver #2.5.02] --

Brad wrote:
>On page 204 (I said it was small not thin) is a Solar "AA" battery charger
that >holds 4 "AA" nicad batteries - cost is \$16.99.

I have used one for just over a year now and it works pretty well. It
charges from 1-4 "AA" batteries, some solar chargers need increments of 2
batteries at a time. Charge time is a little long (6+ hours) but for a small
portable unit it does OK.

Also this week, ordered the Solar panel from American Science and Surplus.
Hoping those will be FB for the 12 V Gel batteries. (ref: post by Jim Hale
11/03) Any ideas from the group on a homebrewed charge controller ?

72/73 Larry

Date: Sat, 8 Nov 1997 08:56:05 -0500 (EST)
From: fmathews@norfolk.infi.net (Frank Matthews)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30468] Homebrew a Pixie2 !
Message-ID: <v01530500b089cc030eea@[208.131.169.60]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Fellow QRP-Lers,

Within SIXTEEN HOURS of my idea to offer my "blue film", pc board
material, parts list, and a parts placement guide, I have received over 100
(approaching 200) requests. I'm guessing you guys really would like to give
it a try.....so.....here goes.....I'll do it!

Here's the deal:

For \$2.00 and a SASE* (business envelope) you will receive the following:

- 2 pieces of "blue film" with the Revised Pixie2 image ready for ironing on to a pc board
- 1 single sided pc board (1.5" X 2.5")
- 1 parts list
- 1 parts placement guide
- 1 set of instructions for ironing the image on to the pc board

For \$1.00 and a SASE* (business envelope) you will receive the following:

- 2 pieces of "blue film" with the Revised Pixie2 image ready for ironing on to a pc board
- 1 parts list
- 1 parts placement guide
- 1 set of instructions for ironing the image on to the pc board

Extra "blue film" images are available for 50 cents each.

*If you will be ordering in quantities (such as a group or club) please include \$3.00 for postage in lieu of the SASE as I will return all of the materials in one package.

Ok...there it is. Please understand that you will need to etch (available from Radio Shack) and drill (#60 drill bit) the pc board. This is a "homebrew project"! As stated earlier the "blue film" iron on method is pretty neat...especially if you've never tried it. The success rate with my high school students is about 85% the first time they try it. The remainder usually get it on the second try but I must admit: there ARE a few that don't get it until the third try (but that's usually because they were not paying attention or following my directions).

Send your order request to:

Frank Matthews
4260 Meadow Wood Drive
Chesapeake, VA 23321-4231

(NOT MY SIGNATURE ADDRESS!!!)

Be sure to include a SASE with payment (check or cash only)

I'll TRY to provide a reasonable turn around as I PLAN to send your order within 2 days of receipt.

This should allow plenty of time to get ready for the contest in December!

Frank Matthews
Technology Education Department
Oscar F. Smith High School
Chesapeake, VA 23320
fmathews@norfolk.infi.net
KC4FKX QRP-L #1079 CQC #434 NorCal #2232 AK/QRP #199
Grid Square FM16

Date: Sat, 8 Nov 1997 07:14:18 -0700
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Subject: [30469] Auroras/kits/DX
Message-ID: <19971108.071422.10358.0.wa5whn@juno.com>

qrp-lers,

6 meters was open to Alaska, from the lower 48 States, during the
aurora. :-)

A very descriptive article, in the current NorCal "QRPP Journal", on
building a low cost 6 meters FM xcvr, for a few dollars (US).

The NorCal paddle kit had come in yesterday's US Mail (tnx Jim) along
with the NorCal "QRPP Journal" (Wahoo !! Tnx Doug, Jim, & Pablo).

Hmmm, the "Jalapeno Pepper Gang" @ Ft. Tuthill Doug ? I was thinking
it was more like the frijoles around the camp fire scene from the movie
"Blazing Saddles". Those were some good beans. Did anyone notice that
there were no bugs near us, small animals, etc. ? Who do You think had
caused "El Nino" this year ? ;-) Maybe we can import some warm ale,
from the UK, for the '98 Ft. Tuthill QRP event.

BTW, ZS6AWK was on again last night, (~ 0400 UTC), with a great signal
into grid squares DM43 & DM65. Listen on the low end of 40 meters ~ 7.004

MHz.

72,...Jay, WA5WHN DM65qd Albuquerque, NM USA

Date: Sat, 8 Nov 1997 09:26:25 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30470] 15 Meter Band
Message-ID: <01bcec52\$4b7d2f60\$365445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello QRP-L,

Well the 15 meter band is open into Europe! 15 is a good QRP band!
CU on 15!!

73, Good DXing & QRPing
Ron de WB3AAL
E-mail: wb3aal@talon.net
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA
 QRP # 5318 G-QRP # 3031
 10-10 # 13173 QRP-L # 1099

Date: Sat, 8 Nov 1997 09:35:19 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: "N.J. QRP Club List Server" <njqrp@njqrp.org>
Cc: Long Island QRP Club <liqrp@waterw.com>, QRP List <qrp-l@Lehigh.EDU>, Bob Kellogg <ae4ic@nr.infi.net>, Harry Popov <ibc@omega.bg>
Subject: [30471] Pixie II - Surface Mount - YES! (fwd)
Message-ID: <Pine.BSI.3.96.971108091405.13443B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey Guys,

Heads up, here is something that will interest you all.

I will do my best to talk them into making more than 100 :^)

I just had another thought, with the right links on the web pages, KL,LI,NJ,& MM. Could be the first QRPp Club Association. I can also just about guarantee QRP ARCI will want in also. :^)

One of the ways that we can all benefit is to share resources and input for some of these projects. Bob Gobrick, NE0B/VO1DRB is the QRP Clubhouse Editor for QRP ARCI. I am sure that he would love to help with any organization and/or coordination. The primary idea is just to make it easy to share knowledge and resources.

I can see a strong possiability of a project that could use some of these smaller kits as modules of much larger assemblies. My first thought was the pending NJ-QRP Qrp Beacon Controller and Controllable Attenuator. It needs a Small Transmitter/Transceiver to go with it. Why not a SMD "KnightLite" ? Maybe a "KnightLite II" with a built in "Tick" (Tm) Keyer, SMD of Course. Yes, we can also use the "Rainbow ATU" as well. :^)

I sure am getting excited with the way things are picking up in the World of QRPp and homebrewing. Did I mention that my K8FF/NorCal Paddle Kit arrived yesterday? It looks like it is time to renew acquaintances with the neighbor down the street. (He has a machine shop in the basement:^) Anyone know where I can get Gold Plating Done cheap? :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.

George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

----- Forwarded message -----

Date: Fri, 7 Nov 1997 21:58:36 -0500
From: Bob Kellogg <ae4ic@nr.infi.net>
To: qrpforum <qrp-1@lehigh.edu>, klqrp <klqrp@acpub.duke.edu>
Subject: Pixie II - Surface Mount - YES!

Gang,

A few weeks ago, I asked the group if you would be interested in a simple surface mount starter kit - like a Pixie II. The response was overwhelming!

So, the Knightlites are in the process of preparing our first kit.

Basically, it will be a surface mount Pixie II with some enhancements. I'm building an alpha version, and if these old tired eyes can build one, you can too! We will include some information on handling Surface Mount components with the kit. --And, I'm sure, this list will provide more hints and kinks from the experts.

This announcement is just so you know for sure that we are indeed proceeding. Our kit will have a different and distinctive name. Because of some design improvements and the fact that it's SM, we decided not to call it a Pixie.

Gary, N3G0, and Todd, KB0HQU, are doing the circuit and board design work. I will prepare the kits and ship them. Several other Knightlites will be doing initial build and test work and helping in other ways.

At this time, we are shooting for a price in the \$10 range. It will be a board and parts kit with instructions, of course. (no case) It's small enough to stick on the back of a 9V battery with double sided tape, so you can let your imagination run wild when it comes to enclosures.

We are busting it to get them done in time for early December (Christmas) shipping. This would give everyone time to build them before the Pixie/40-9er contest between Christmas and New Years. Realistically, don't count on them before Jan 1.

Our initial quantity will be 100.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC

Prolably, but not nececelery. -- Benny Hill

Date: Sat, 08 Nov 1997 10:56:33 -0800
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [30472] Homebrew a Pixie2 !
Message-ID: <3464B5E1.3968@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recomend sending an address label with your request.

It will save frank alot of time and eliminates address errors.

72 Jerry AA10F

Date: Sat, 8 Nov 1997 10:11:57 -0500 (EST)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [30473] DOUBLE FOX SUNDAY
Message-ID: <971108101156_849809508@mrin40.mail.aol.com>

DOUBLE TROUBLE!!!

This FOX has been soooooo good in evading the hounds he is going to get a little cocky and come out of his den twice on SUNDAY.

SPECIAL

SUNDAY: 2100-2200 UTC (1600-1700EST)

FREQ: 7.12

(This is just before Right Coast dinner time. Hmmm! Will they be tasting FOX or eating crow...)

REGULAR

SUNDAY: 0200-0400 UTC (MONDAY)

FREQ: 7.12

(Lets see. the right coasters will be asleep and the left coasters eating and the flatlanders still shopping with the XYL...should be a snap!)

RIG: EMTECH NW8020
PWR: 5 Watts
ANT: DIPOLE up 50 ft

The FOX wanted to taunt those "right coast" folks. I just love hearing them howl and watch them chase their tails (heh heh heh). Catch me if you can!
Owoooooooo
Alan KB7MBI (.) (.)

Date: Sat, 08 Nov 1997 10:21:23 -0500 (EST)
From: n4js@amsat.org
To: "Greg K. Pollard" <cwgreg@worldnet.att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30474] Re: 1998 QRP to the Field Theme Announcement
Message-ID: <XFMail.971108102122.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 08-Nov-97 "Greg K. Pollard" typed:

>What about borders that have rivers, do you need a boat? If you were in the
>middle of the river and tied off to both shores, your station would touch
>both shores and you would have a big ground plane to work with. Who would
>you call to stop the barge traffic on the Ohio River in the name of amateur
>radio?

I plan on using my GPS to determine the NJ/DE border in Delaware Bay, and anchoring up there.

Sent at 10:21:22 on 08-Nov-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
\ _ / _ _	n4js@qsl.net	NJ Grid:FM29LN
. ' _ _ \ _ _ \	http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884	
_ \ _ _ \ _ _ / _ _ /	QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp	
NE-QRP #507 G-QRP #9544	NorCal #1989	QCWA FISTS #2781 ARS #243

Date: Sat, 08 Nov 1997 11:46:52 -0800
From: Terres Family <terresfm@ncia.net>

To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [30475] Homebrew a Pixie2 !
Message-ID: <3464C1AC.73DB@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

2nd thought, if its a SASE you don't need an adress label....duh
wonder if the knightlights will call the surfacemount pixie a
tinker-bell...?

72 Jerry AA10F

Date: Sat, 8 Nov 1997 10:39:52 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "NJ-QRP" <njqrp@njqrp.org>, "LIQRP" <liqrp@waterw.com>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30476] Contest/Pls Read and join us: 22 Nov 97 LI/NJ-QRP Doghouse
Operation Sprint
Message-ID: <199711081608.LAA55060@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

This is the first contest sponsored jointly by the LIQRP and NJ-QRP Clubs,
and we would like your support. Please let us know if you can make it on
November 22nd for the Sprint.

Announcing the LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS), sponsored
jointly by the Long Island QRP & New Jersey QRP clubs. Here's a sprint
that you can work and still manage to stay out of the doghouse on the
Saturday afternoon prior to Thanksgiving. You can play radio, and have
plenty of time to mow the lawn, clean the guest room; do whatever it takes
to get the house ready for Thanksgiving.

Date and Time:
Sat., November 22, 1997 1800-2200 UTC

The contest is a single-op QRP CW sprint. Try to operate as many ops in as
many area codes as possible, with extra QSO points given for working
members of the LIQRP and NJ-QRP clubs. Please note that the "X"tra points
are for members of LIQRP and NJ-QRP, regardless of your location

Stations may be worked more than once on different bands.

Suggested QRP Frequencies:

1.810, 3.560, 7.040, 14.060, 21.060, 28.060.

Exchange:

RST, area code and first name.

QSO points:

5 points for LI/NYC/NJ/MD area codes.

2 points for all other area codes

LIQRP and NJQRP members will exchange area codes with the suffix X indicating they are worth extra QSO points. For example, 559 718X Kevin since I'm in an extra QSO point area code. This will make tallying total points much simpler.

Power Multiplier:

Less than 1 watt x 10

1 to 5 watts x 7

Bonus points:

Portable location, battery operation with temporary antennas: 2,000 points

Battery operation from home location: 1,000 points

Total points:

(QSO points x power multiplier) + bonus points

Certificates will be awarded for the highest overall total score and most Extra Area Codes (LI/NYC/NJ/MD) worked.

Logs:

Submit logs by December 22nd, 1997 to Kevin N2T0. Submit e-mail messages with attached text files to kfglynn@prodigy.net or snail mail to:

Kevin F. Glynn

429-73rd Street

Brooklyn, NY 11209

Please include an SASE if you'd like to receive contest results. Results will be posted to QRP-L, LIQRP and NJ-QRP by year's end. Late entries will count as check logs.

Good luck to all, and remember, radio and holiday/family do mix!

The Amateur is Balanced...Radio is his/her hobby. He/she never allows it to interfere with any of the duties he/she owes to his/her home, his/her job, or his/her community. I think we can do both here! Join us for the first LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS).

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 8 Nov 1997 11:22:35 -0400
From: "W2MBY & W2MY" <n2mnn@spacegate.com>
To: "QRP-L message" <qrp-l@Lehigh.EDU>
Subject: [30477] FOX: N/T Nov 8 Results
Message-ID: <0070e23211608b7NS@spacegate.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi,

This is my results for the Nov 8 N/T FOX. 18 hounds got me last night. Conditions were bad again during the last hour. Notice how the sig rpts gradually went down until "229" was normal for the last half hour. I'm surprised that in those weak signals were quite a few West coast stations, and resulted in two new states.

Got reports of a carrier on my frequency. In NNJ, the carrier was 599 from 7040 to 7044. Could not use the 1800 Hz filter. Only with the 270 Hz filter did I have abt 400 Hz that sounded in the clear centered on 7040.5. Used the narrow filter with RIT. I was picking out one or two letters at a time and asking for repeats hoping it was a hound. I had to come back to some of you later in the hunt to finish the contact. Thanks for hanging in there.

FREQ	TIME	CALL	SNT	REC	NAME	STATE	COMMENT
7140.0	1:03	K50N	449	579	GARY	NM	
7140.5	1:06	KB9IUA					(FIRST TRY)
	1:14	KQ0I	449	559	MARK	IA	
	1:16	KB9IUA	549	559	KEVIN	IL	
	1:24	KU7Y	229	549	RON	NV	NEW STATE!
	1:26	KS4L	569	559	RANDY	AL	
	1:30	AA5TA	329	339	LARRY	TX	
	1:36	K5ID	559	559	KEN	AR	
	1:39	KB0ZDF	439	579	DEAN	IA	
	1:42	KE0WW	439	449	MIKE	MN	
	1:47	NI0A	329	569	JOHN	MN	

1:50 NQ7X 229 449 FLOYD AZ

2:05 WE6W (FIRST TRY)

2:13 WB4EXW 329 339 WATSON NC

2:16 W0CH 549 559 DAVE MO

2:21 WE6W 219 329 ED CA

2:26 N7CQR 229 329 DAN OR NEW STATE!

2:35 QRL QRL QRL

2:43 N6WG 219 229 BOB CA

2:54 KB0LMQ 229 229 MYRON CO

2:57 KA5T 229 229 LARRY TX

Funny, when contacts got sparse, and a loud station started CQing on my frequency. I immediately heard a whole bunch of tiny signals sending "QRL QRL". Thanks for guarding the frequency for me.

Now for some bad news. Today I passed my 13 WPM test! So I am halfway to losing my N/T Fox status. I never had to study for it. My practice was the Fox hunts and getting my pin during the sweepstakes.

See you next time.

72,

John, W2MBY

n2mnn@ spacegate.com

The e-mail address of:

John Pituch N/T Fox W2MBY (ex KC2CFZ)

Steve Pituch W2MY (ex N2MNN)

Date: Sat, 8 Nov 1997 09:34:55 -0700 (MST)

From: Bob Hightower <ki7mn@dancris.com>

To: qrp-1@Lehigh.EDU

Subject: [30478] Re: CA Fox Bagged!

Message-ID: <199711081634.JAA00651@dancris.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Date: Sat, 08 Nov 1997 09:35:30

>To: 70511.3041@compuserve.com

>From: Bob Hightower <ki7mn@dancris.com>

>Subject: Re: CA Fox Bagged!

>

>At 02:08 AM 11/8/97 -0500, you wrote:

>

>>The season is long, and the race is long, and many of the huunds are
>>strong, and each week there is the FOX and his haunting song...and...

>

>Hmmm. Long, strong, song.... Doc, there's somethin' inside you that you
ain't told us about :^)

>

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.

33.334500N -111.87260W

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=7

Date: Sat, 8 Nov 1997 08:34:47 -0800 (PST)

From: Monte Stark <ku7y@sage.dri.edu>

To: W2MBY & W2MY <n2mnn@spacegate.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [30479] Re: FOX: N/T Nov 8 Results

Message-ID: <Pine.SUN.3.90.971108083127.24374D-100000@vortex>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John,

Very good job!

And Congratulations on passing that code test. Foxing and
contesting really do work!

I thought you did real well getting my 229 sig into the log.

When I first heard you I didn't think there was much chance
of getting a QSO. But I continued to listen and to adjust the
RX. I was able to copy you with no trouble but only because
of the ability of the 1000MP.

I moved off freq and set the power to 5w. Just didn't have the
condx to use mW last night.

Again, congratulations!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sat, 8 Nov 1997 08:52:05 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [30480] 2222 Design Project - Parts Sources
Message-ID: <Pine.SUN.3.91.971108084800.11962A-100000@crl2.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been looking for a couple of parts sources for the following:

Ceramic Filters 455 khz -
audio transformers 10 K CT pri to 1 K or 2 K CT secondary

Anyone know of a low cost source (surplus) for these items. I have been trying to base my designs on available parts at a low cost to the qrp gang.

de stan AK0B
microres@crl.com

Date: Sat, 08 Nov 1997 11:00:04 -0600
From: John Bohnert <johnb@elmhurst.edu>
To: qrp-l@Lehigh.EDU
Subject: [30481] Wanted: QRP Elmer
Message-ID: <34649A94.725E@elmhurst.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have finished the construction of my Sierra with six band modules and the KC2. What a beautiful rig! Following a few measurements of resistance per construction manual, I took a deep breath, applied

power...it worked beautifully! I have been able to align the 40M module using a borrowed RF probe and an old Collins rcvr which could receive 15 MHZ (xtal oscillator frequency of the 40M module) and my Omni V as signal source. Rlg really hears well, keyer incorporated into the KC2) works vy FB...BUT I have five more modules to align, and I would like to use a frequency counter to determine the xtal oscillator frequency and the pre-mix oscillator frequencies for the modules...or I could use a calibrated general coverage receiver to accomplish the calibration--my Omni V is ham bands only. The various frequencies on the remaining modules fall outside of a ham bands only receiver. Is there a qrp elmer near the western suburban area of Chicago who would be willing to help with either item?

I might add that the manual for the Wilderness Sierra provides for three different strategies for the alignment of the Sierra...DMM/RF probe...general coverage receiver/transmitter...oscilloscope/frequency counter/signal generator. The first method assumes a willingness on the part of the builder to accept some degree of error in the setting of the xtal oscillator frequency of the module (manual suggests within 2-3 KHZ).

72 John N9KW QRP-L #1257

Date: Sat, 8 Nov 1997 17:00:12 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [30482] Keyer vs Paddle Kit
Message-ID: <199711081700.RAA15748@chuck.dallas.sgi.com>

Gang,

A small syntax issue.

A keyer is usually an electronically related item capable of generating control voltages for a transmitter.

A paddle is a mechanical device used to control a keyer.

FYI
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Sat, 08 Nov 1997 11:40:58 -0600
From: Stan Wilson <microres@crl.com>
To: qrp-1@Lehigh.EDU
Cc: microres@crl.com
Subject: [30483] 2222 Project Design Trade Offs
Message-ID: <3464A42A.90D@crl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

DESIGN TRADE-OFFS

Nothing appears to be cut and dry when it comes to design of electronic circuits. RF circuit design has always been known as "Black Magic". The following is for the purpose of discussion and not for generating flames.

First the mixer circuit. We have two clear cut choices in the basic design. We can use an active mixer or a passive mixer. For discussion we have chosen a passive mixer. A review of the literature indicates we should use a local oscillator with an output of a square wave. What are the trade offs of using a sine wave generator for the local oscillator ?

Now a noisy oscillator (something in its output other than the pure sine at the desired frequency) will degrade the output of the mixer. What happens if we take a noisy oscillator at twice the desired frequency and square it up before feeding to the passive mixer? Can we use a square wave to drive an active mixer ? Should we be using a square as the LO for our mixers - either passive or active ? What will be the results ?

Is a noisy oscillator problem only related to active mixers ? Or do we have the same problem from using them with a passive mixer ?

Is some of this old wives tales or Black Magic? What are the trade offs?

Comments -

de Stan AK0B
microres@crl.com

Date: Sat, 08 Nov 1997 12:47:24 EST
From: kb9iua@juno.com (Kevin L Anderson)
To: qrp-1@Lehigh.EDU

Subject: [30484] Ethernet Question - Please respond off-line
Message-ID: <19971107.234801.7855.0.kb9iua@juno.com>

Sorry for the bandwidth -- I'm looking for someone
to e-mail off-line that can hopefully answer some
ethernet (thick and thin-net) questions regarding
bandwidths, frequencies, etc. of its RF nature.
I don't know where to turn.

Thanks. Kevin, KB9IUA, kb9iua@juno.com

Kevin Anderson, KB9IUA, Rock Island IL USA
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

Date: Sat, 8 Nov 1997 14:14:30 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Message-ID: <199711081914.0AA52298@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

LOOKUP AB5SE
LOOKUP K5FG
LOOKUP K50Y
LOOKUP KD5BQJ
LOOKUP KJ5TF
LOOKUP W0LK
LOOKUP W50N
LOOKUP AB70A
LOOKUP NQ7RP
LOOKUP NQ7X
LOOKUP W5VBO
LOOKUP W7BXZ
LOOKUP WA7LNU
LOOKUP K0FRP
LOOKUP K0FX
LOOKUP K1EQA
LOOKUP KF7MD
LOOKUP N0IBT
LOOKUP N7X0
LOOKUP W0CQC
LOOKUP WA0CML
LOOKUP W00Q

LOOKUP WU0L
LOOKUP WB0T
LOOKUP AB7TK
LOOKUP W7CNL
LOOKUP WD0T
LOOKUP K2PTS
LOOKUP K9W0
LOOKUP N9ZXL
LOOKUP WZ9B
LOOKUP N3PXF
LOOKUP KC1DI
LOOKUP K5HQV
LOOKUP KI5FW
LOOKUP K2JT
LOOKUP N2CQ
LOOKUP N2CX
LOOKUP N2TNN
LOOKUP W2AZX
LOOKUP W2SCF
LOOKUP K5AM
LOOKUP AB5UA
LOOKUP K5DP
LOOKUP KA5TUF
LOOKUP KJ5MG
LOOKUP AA7KF
LOOKUP AA7QU
LOOKUP K1CU
LOOKUP K8ZFJ
LOOKUP WA0ZPT
LOOKUP N4AGX
LOOKUP N4KN
LOOKUP W9WI
LOOKUP NC7W
LOOKUP AA1PB
LOOKUP W1NZM
LOOKUP W1VT
LOOKUP K7NTW
LOOKUP KV7X
LOOKUP N0AX
LOOKUP W7OM
LOOKUP KF8NW
LOOKUP AE00

Date: Sat, 08 Nov 1997 14:18:20 -0600 (CST)

From: "Jeff M. Gold" <JMG@tntech.edu>
To: qrp-1@Lehigh.EDU
Subject: [30486] Norcal Paddle-plexiglass paddle
Message-ID: <01IPRQDCGLS08WW0AU@tntech.edu>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Did everyone get a plain square for the paddle handles? the picture for the assembly show a nice shaped paddle handle.. mine is just a square.

72
Jeff, AC4HF

Date: Sat, 8 Nov 1997 15:36:16 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [30487] CQ CQ AK, DE, HI, MT and NV for WAS-QRP!
Message-ID: <199711082036.PAA17396@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang,

OK, just figured out that I need following states for my WAS-QRP. Been going through logs of recent contests and casual ragchews, and I came up with the following (only need HI for CQ WAS > QRP):

AK, DE, HI, MT and NV

I sent a bunch of cards within the last two months and only received back 2. If anyone from the above states would like a sked to help me out, I'd appreciate it.

Brian, AE9K, sent me a database for use in Microsoft Access for DXCC. I am going to manipulate my current Lotus 1-2-3 spreadsheet for WAS-QRP into Access after the current batch of cards go out. If any of you guys receive a card from N2T0 please respond.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 08 Nov 1997 16:19:45
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [30488] CirCad
Message-ID: <3.0.1.16.19971108161945.3167061e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy all,

I just drew a pretty nice schematic of the 2N2 rig with the CirCad demo program. It makes a real nice picture. Printed out fine on the laser jet 5L.

Someone said the symbol library was "crippled". I thought so too untill I figured out how to access the full library. There is a lot in there. Looks like just about every 7400 part, 4000 part, a lot of op amps, every discret you can think of, all the common uP's, including a few PIC's and even the 80486.

To get the full list of parts, bring up the "place comonent" box and enter >?< for a component type. You then select a family, (ttl, cmos, microprossesor, analog, desccrete, etc) then get a list of all the types or variations.

It will be fun to generate a net list and see what kind of pcb it lays out for me. Could be ineresting, seeing I arbitairly picked an "E" core transformer pcb pattern for all the toriods and manually drew in the center taps.

Once you figure out how to use the program, it's a darn good one. Beats the pants off of PADS demo, which I tried to learn once. Wish I could afford the real version, but this demo looks good enough for me.

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 8 Nov 1997 15:59:31 -0500 (EST)
From: N4JS <jsielke@pobox.com>
To: qrp-1@Lehigh.EDU
Cc: glowbugs@www.atl.org
Subject: [30488] QRP Kits
Message-ID: <Pine.LNX.3.95.971108155401.9938A-1000000@jsielke.ppp.cyberenet.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Way back last July, I purchased a "Cakepan 5" Tube QRP transmitter Kit from Vintage radio in MA. I built it in September, and it worked great. The only thing was the power out pot was a bit underrated. No big deal.

Today, I received a package from Vintage radio...with a new 5W pot in it. I didn't request it or even mention it. Now THAT is customer service!

BTW, this kind of service has been the rule in all (except 1) dealings I have had with QRP kit suppliers. I just got a couple of small parts from OHR that were missing in my OHR100 kit...2 days after I emailed them!

Guys, you ARE appreciated! You provide a great service and a LOT of fun!

```

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| . ` | _ | _ | _ | _ \ _ |
| _ | _ | _ | _ \ _ / | _ /
NE-QRP #507 G-QRP #9544

```

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
<http://www.qsl.net/n4js>
NJ-QRP #57 QRP-L #884 QRP-ARCI #9328
NorCal #1989 QCWA FISTS #2781

Date: Sat, 08 Nov 1997 17:02:50
From: Steven Weber <kd1jv@moose.ncia.net>
To: microres@crl.com
Cc: qrp-1@Lehigh.EDU
Subject: [30489] Re: 2222 Design Project - Parts Sources
Message-ID: <3.0.1.16.19971108170250.3167b662@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

```
>Ceramic Filters 455 khz -
>audio transformers 10 K CT pri to 1 K or 2 K CT secondary
>
>Anyone know of a low cost source (surplus) for these items. I have been
>trying to base my designs on available parts at a low cost to the grp gang.
```

Stan, et all,

Problem with surplus parts is they tend to come and go, and stock may be limited. Be that as it may, All Electronics lists several audio

transformers that may be of use.

A 25K CT to 600 CT would be good for a balanced (or single ended for that matter) product detector output or interstage audio amp. (Cat#TCTX-017, \$1.25)

A 500 to 8 ohm output transformer good for a class A audio out (I used one like this) (Cat# TCTX-508, \$1.20)

They also have some 600-600 telephone coupling T's that might also be usefull.

(All Electronics, 1-800-826-5432, standard disclaimer, never bought from them, but should if I want to keep getting the catalog)

As for 455Khz ceramic filters, these are cheap enough new. Digi-key and Mouser have them. Problem here is that the best you can do is about 4Khz wide and such a low IF isn't that great.

It's easy enough to build a decent ladder (Jones) filter out of a few micro prossesor xtals that only cost a buck and a half a piece and can give you an IF at a much more reasonable frequency.

72N2,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 08 Nov 1997 17:45:06
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [30490] Re: 2222 Project Design Trade Offs
Message-ID: <3.0.1.16.19971108174506.2b370e78@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:40 AM 11/8/97 -0600, you wrote:
>DESIGN TRADE-OFFS

> What happens if we take a noisy oscillator at twice the desired frequency >and square it up before feeding to the passive mixer?

Not much, unless you then divide it back down. Then I belive you get an 8 dB improvment.

> Can we use a square wave to drive an active mixer ?

Probably, but generally no need to as an active mixer needs much less drive than a passive (diode) mixer and works slightly differently (than a passive one).

In a diode mixer, one gets the best results if the diode is turned on and off as fast as possible and good and hard. Hence square waves are recommended with +7 dBm or more of drive. I have had good results squaring up the LO with a 74HC00 and driving the DBDM through a 51 ohm resistor. (But can't do that in this project)

>Is a noisy oscillator problem only related to active mixers ? Or do we
>have the same problem from using them with a passive mixer ?

Either way, if the LO is not "clean" there will be spurious responses from the mixer. Every frequency the mixer sees from the LO will combine with all the frequencies the input sees to produce a multiplicity of mixer output products. (plus the LO harmonics, which can be generated by the mixer itself, no matter how clean the LO is) This can lead to "birdies" and images where you might not expect to find them.

>Is some of this old wives tales or Black Magic? What are the trade
>offs?

No, it's not black magic, but can seem that way cuz the math gets complicated pretty fast. I, for one, have a hard time wading through some of the proofs, so willing to take to word of those who claim to know better.

The black magic is more in getting the circuit to physically work with real life components and not the "ideal" ones the circuit was modeled with. This tends to be more and more of a problem with higher and higher frequencies. Ask anyone who plays with microwaves, there is some real wizardry going on there!

Hey, good questions, keep hitting them books, lots of good info out there if you look for it :-)

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sat, 8 Nov 1997 18:28:57 -0500 (EST)
From: aa8yo@tir.com (Bob Fox)
To: qrp-l@Lehigh.EDU
Subject: [30491] WBL Paddle Update

Message-ID: <199711082328.SAA27339@sun.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

To those of you who are patiently awaiting your
WBL-Design Paddles:

I just got off the phone with Stan. He said to
expect an additional 2 - 3 week delay.

I ordered mine August 21st, and will continue
to sit tight. Patience is a virtue.....

73 - Bob / AA8Y0

e-mail: aa8yo@tir.com
FISTS #3056 QRP-L #1174
QRP-ARCI #9487 MI-QRP #1595
Amateur Radio Operator
Amateur Civil War Historian

End of QRP-L Digest 903

